

Title (en)
Method for manufacturing inkjet printing head

Title (de)
Tintenstrahldruckkopfherstellungsverfahren

Title (fr)
Méthode de fabrication d'une tête d'impression à jet d'encre

Publication
EP 1493574 A1 20050105 (EN)

Application
EP 04015152 A 20040628

Priority
JP 2003188944 A 20030630

Abstract (en)
A method of manufacturing an inkjet printing head includes: forming a first laminated structure by laminating at least two metal plates having a hole formed thereon and fixing the metal plates to one another by metal-metal junction, and by laminating a plurality of thin plate members having a hole formed thereon, the thin plate members including the metal plates, and fixing the thin plate members to one another; forming a second laminated structure that includes at least a part of a common ink chamber, by laminating a plurality of thin plate members having a hole formed thereon and fixing the thin plate members to one another; and fixing the first laminated structure and the second laminated structure to each other while laminating the first laminated structure and the second laminated structure on each other.

IPC 1-7
B41J 2/14; **B41J 2/16**

IPC 8 full level
B41J 2/14 (2006.01); **B41J 2/16** (2006.01)

CPC (source: EP US)
B41J 2/14209 (2013.01 - EP US); **B41J 2/1609** (2013.01 - EP US); **B41J 2/1623** (2013.01 - EP US); **B41J 2/1626** (2013.01 - EP US); **B41J 2002/14217** (2013.01 - EP US); **B41J 2002/14225** (2013.01 - EP US); **B41J 2002/14306** (2013.01 - EP US); **B41J 2002/14459** (2013.01 - EP US); **B41J 2202/20** (2013.01 - EP US); **Y10T 29/42** (2015.01 - EP US); **Y10T 29/49144** (2015.01 - EP US); **Y10T 29/49149** (2015.01 - EP US); **Y10T 29/49401** (2015.01 - EP US)

Citation (search report)

- [Y] US 4528575 A 19850709 - MATSUDA TADASHI [JP], et al
- [A] US 2003112299 A1 20030619 - KITAHARA KOHEI [JP]
- [PA] EP 1356939 A2 20031029 - BROTHER IND LTD [JP]
- [A] EP 1321294 A2 20030625 - SAMSUNG ELECTRONICS CO LTD [KR]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14 22 December 1999 (1999-12-22)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1493574 A1 20050105; **EP 1493574 B1 20070404**; CN 100343059 C 20071017; CN 1576009 A 20050209; DE 602004005629 D1 20070516; DE 602004005629 T2 20071227; JP 2005022174 A 20050127; JP 4218444 B2 20090204; US 2005011071 A1 20050120; US 7249413 B2 20070731

DOCDB simple family (application)
EP 04015152 A 20040628; CN 200410061979 A 20040630; DE 602004005629 T 20040628; JP 2003188944 A 20030630; US 87432104 A 20040624